Index of Claims

| Application No. | Applicant(s)  |
|-----------------|---------------|
| 09/964,863      | TANAKA ET AL. |
| Examin r        | Art Unit      |

Wai-Sing Louie

2814

√ Rejected
= Allowed

- (Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Cla             | aim      |          |          |          |                | Date           | е               |               |         | , S   |             | Clain | 1        |          |          | Date             |          |                 |    | CI       | aim        |                 |          |         | Dat          | е              |           | _        |          |
|-----------------|----------|----------|----------|----------|----------------|----------------|-----------------|---------------|---------|-------|-------------|-------|----------|----------|----------|------------------|----------|-----------------|----|----------|------------|-----------------|----------|---------|--------------|----------------|-----------|----------|----------|
|                 | <u></u>  | 2        |          |          |                |                |                 |               |         |       |             | -     | <u>.</u> |          |          |                  |          |                 |    |          | <u>m</u>   |                 |          |         |              |                |           |          |          |
| Final           | Original | 12/18/03 | ĺ        | İ        |                |                |                 |               |         |       | Final       |       | Original |          |          |                  |          |                 |    | Final    | Original   |                 |          |         |              |                |           |          |          |
| i II            | 5        | 2        |          |          |                |                |                 | 1             |         |       | Œ           |       | 5        |          |          |                  |          |                 |    | 证        | į          |                 | •        | ĺ       |              |                |           |          |          |
|                 |          | L_       |          | _        |                | _              |                 |               |         | _::   | -           |       |          |          |          |                  |          |                 |    |          |            | Ш               |          |         |              | L.,            |           |          |          |
| 1               | 1        | =        |          | _        | L              |                | ļ               |               |         | 4     | -           | 5     | 1        | $\perp$  |          | $\perp \perp$    | $\perp$  |                 | 1  |          | 101        |                 |          | ↓.      |              | L              |           |          |          |
| 2               | 2        | =        | L        | _        |                |                |                 |               |         | 4     | -           |       | 2        | _ _      |          |                  |          |                 |    |          | 102        | Щ               |          |         |              | L.             |           |          |          |
| 3               | 3        | =        | ļ        |          | <u> </u>       | ļ              | _               |               | $\perp$ | 4     |             |       | 3        | $\perp$  |          | $\perp \perp$    | $\perp$  |                 |    |          | 103        |                 |          | _       | ļ            |                | Ш         |          |          |
| 4               | 4        | =        | _        | <u> </u> |                |                |                 |               |         | _     | -           |       | 4        | $\perp$  |          | 1                | $\perp$  |                 |    |          | 104        |                 |          | _ _     |              |                |           |          |          |
| 5               | 5        | =        |          |          | ↓_             |                |                 | $\perp$       | $\bot$  | 4     |             | _   5 | 5        |          |          | $\perp \perp$    |          |                 |    |          | 105        |                 |          |         |              |                |           | _        |          |
| <u> </u>        | 6        | _        |          |          | _              |                |                 |               | _       | 40    | :  <u> </u> |       | 6        |          |          | $\perp$          |          |                 |    |          | 106        |                 |          |         | 1            | _              | Ш         |          | _        |
| 6               | 7        | =        | ļ        | ļ        | _              | _              | _               | $\rightarrow$ | +       | 4     | i           |       | 7        |          | _        | <del>  _  </del> | $\perp$  | -               |    |          | 107        | $\Box$          |          |         | ┺            |                | Ш         |          | _        |
| 7               | 8        | =        |          |          |                | _              |                 |               | - -     | 40    | <u> </u>    | 15    | 8        |          | _        | $\perp$          |          |                 |    |          | 108        |                 | _        | 1.      | ↓            | _              |           | _        |          |
| 8               | 9        | =        | <u> </u> |          |                |                |                 | $\rightarrow$ | _       | 4     |             |       | 9        | _        |          | 1-1              | $\perp$  |                 |    |          | 109        | $\sqcup$        | _        | _       | <u> </u>     |                | Ш         |          | _        |
| 9               | 10       | =        | <u> </u> | _        | L              | _              | <u> </u>        |               |         | -     | _           |       | 0        |          |          | $\downarrow$     |          |                 |    |          | 110        |                 | _        |         | ╄-           | <u> </u>       |           | _        | _        |
| 10              | 11       | =        | ļ        | ļ        | _              |                |                 | $\perp$       |         | -10   |             |       | 1        | 4-1      |          | 4                | $\perp$  |                 |    |          | 111        |                 |          |         | <u> </u>     |                |           |          | _        |
| 11              | 12       | =        | <u> </u> | <u> </u> | $\vdash$       | $\vdash$       | Н               | $\dashv$      |         | -     | -           |       | 2        | +        |          | +                | +        |                 |    |          | 112        | $\vdash$        |          | 4       | +            | <u> </u>       | $\sqcup$  |          |          |
| 12              | 13       | u I      | -        |          |                |                | $\vdash \vdash$ | $\dashv$      | +       | - ::: | :           | 16    | 3        | +        |          | ++               | $\dashv$ | +               |    |          | 113        | $\vdash \vdash$ | +        | +-      | ┼            | ļ              |           | _        |          |
| 13              | 14       | =        | <u> </u> | <u> </u> | $\vdash$       |                |                 |               |         | -     | -           | 16    | 4        |          |          | ++               | +        |                 | -  |          | 114        | -               |          | 4       | -            | <u> </u>       | Ш         |          | 4        |
| 14              | 15       | =        | _        | ļ        | _              | $\vdash$       | $\vdash \vdash$ | +             | +       | -     |             |       | 5        | +        | _        | +                | $\dashv$ | $\dashv$        |    |          | 115        |                 | $\perp$  | 1       | -            | -              | Щ         | _        | _        |
| 15              | -16      | =        |          |          |                | _              |                 |               |         | - ::  | i           |       | 6        |          | -        | +                | $\dashv$ |                 |    |          | 116        |                 |          | _       | _            | _              |           |          |          |
| 16              | 17       | =        |          |          |                |                |                 | _             | _       | 4     | <u> </u>    |       | 7        | +        | _        | ++               |          | -               |    |          | 117        | -               | _        | $\perp$ | _            | <u> </u>       |           | $\dashv$ |          |
| -               | 18       |          |          |          | <u> </u>       | _              |                 | +             | -       | -     |             | 16    | 8        | +        | <u> </u> | ++               | $\perp$  |                 |    |          | 118        | $\vdash$        | _        | +       | ـــ          | <u> </u>       |           | _        | _        |
| <u> </u>        | 19       | _        | _        |          |                |                |                 | <del></del>   |         | -     | -           |       | 9        |          |          | $\perp$          |          |                 |    |          | 119        |                 | -        |         | ـــــــ      |                | $\square$ |          | _        |
| -               | 20       | -        |          |          |                |                |                 |               | _       | -     | -           |       | 0        | +        | _        | -                |          |                 |    |          | 120        |                 | _        | _       | -            | ļ              |           |          | _        |
| ļ               | 21       |          |          |          |                |                |                 |               |         | 4     | _           |       | 1        | -11      |          | $\vdash$         | $\bot$   |                 |    |          | 121        |                 | -        |         | <del> </del> | L              |           | _        |          |
| <u> </u>        | 22       |          |          | <u> </u> |                |                |                 | $\dashv$      | _       | -     | -           | -1-7  | 2        | $\bot$   |          |                  |          |                 |    |          | 122        |                 | _ _      | 4       | _            |                |           | _        |          |
| -               | 23       |          |          |          |                |                |                 | $\dashv$      | _       | - ::  | -           | 1     | 3        | $\dashv$ | _        | +                | -        |                 |    |          | 123        | $\perp$         | -        |         |              |                |           |          | _        |
| -               | 24       |          |          |          | <u> </u>       |                | $\square$       | -             | -       | -     |             |       | 4        | +        | $\dashv$ | +-+              | $\dashv$ | -               |    |          | 124        |                 |          | _       | $\vdash$     | ļ              |           | $\dashv$ | _        |
| -               | 25       |          |          |          |                |                |                 |               | - -     | 4:::  | -           | +-    | 5        |          | +        | ++               |          |                 |    |          | 125        |                 | +        | -       | 1            |                | $\vdash$  |          |          |
| <u> </u>        | 26       |          |          |          |                |                | $\dashv$        |               | +       | 4     | <u> </u>    |       | 6        | $\dashv$ |          |                  | $\perp$  |                 |    |          | 126        | $\dashv$        | +        | -       | ▙            |                | _         | $\dashv$ | _        |
|                 | 27       |          |          |          |                | $\vdash$       |                 | -+            |         | -1    | -           | +4    | 7        |          |          | +                | +        |                 |    |          | 127        |                 |          |         |              |                |           | _        | _        |
|                 | 28       |          |          |          |                |                |                 |               | -       | -     |             |       | 8        | +        |          |                  | $\dashv$ | -               |    |          | 128        | $\perp$         |          |         | ╄            |                |           |          | _        |
|                 | 29       |          |          |          |                |                |                 |               |         | -     | -           |       | 9        | $\dashv$ |          | ++               | +        |                 |    |          | 129        |                 |          | Д.      | -            |                |           | _        | 4        |
| -               | 30       |          |          |          |                | H              | $\vdash$        |               | +       | -     | -           | 8     | <u> </u> | $\dashv$ | _        | ++               |          | -               |    |          | 130        |                 |          |         |              |                |           | _        | _        |
| -               | 31       |          |          |          |                | H              | $\vdash$        | -             |         | -     | -           | 8     |          |          |          | ++               | $\dashv$ |                 |    |          | 131        | $\dashv$        | +        |         | -            |                | $\sqcup$  |          | 4        |
| <u> </u>        | 32       |          |          |          |                | -              | $\dashv$        | +             | +       | 4     | <u> </u>    | 8     |          | $\dashv$ |          | ++               | $\dashv$ | $\dashv$        |    |          | 132        | -               |          | +       | -            |                |           |          | -        |
| <u> </u>        | 33<br>34 |          |          |          |                | -              | $\dashv$        | +             | +       | 40    | <u> </u>    | 8     | 3        | +        | +        | ++               |          | -               |    |          | 133        |                 | -        |         | ┼            |                | $\vdash$  | _        | -        |
| -               | 35       |          | -        |          | Н              |                |                 | $\dashv$      | +       | -     | -           | 8     |          | +        | +        | +                | +        | +               |    | $\dashv$ | 134        | $\dashv$        | +        | +       | $\vdash$     | $\vdash$       | $\vdash$  |          | $\dashv$ |
|                 | აი<br>36 |          | -        |          |                |                | -               | $\dashv$      | +       | -1::  | $\vdash$    | 8     |          |          | +        | +-+              | +        | +               |    |          | 135        | $\dashv$        | +        | +       | -            | $\vdash$       |           | $\dashv$ |          |
| -               |          |          | -        | -        | Н              | Н              | $\vdash$        | +             | +       | -     | -           | 8     |          |          | +        | 1                | ++       | +               |    | -        | 136        | $\dashv$        | $\dashv$ | +       | -            | $\vdash$       | $\vdash$  | $\dashv$ | $\dashv$ |
| $\vdash$        | 37       |          | -        |          |                | $\vdash$       | $\vdash$        | +             | +       | -     | -           | 8     |          | +        | +        | ++               |          | $\dashv$        |    |          | 137        | $\dashv$        | +        | +       | $\vdash$     | $\vdash$       | $\vdash$  |          | $\dashv$ |
| $\vdash$        | 38<br>39 |          | -        |          | $\vdash$       | -1             |                 |               |         | -     | -           | 8     | 0        |          | +        | ┼├-              |          |                 |    |          | 138        |                 |          | +       | $\vdash$     | -              |           | $\dashv$ | $\dashv$ |
| $\vdash$        |          |          |          |          | Н              | $\vdash$       |                 | +             | +       | -     | <u> </u>    |       |          | +        |          | ++               | +        | $\dashv$        |    |          | 139        | -               |          | +-      | $\vdash$     | $\vdash$       |           | -        | $\dashv$ |
| -               | 40<br>41 |          |          | $\vdash$ | $\vdash$       | $\vdash\vdash$ |                 | +             | +       | -     | -           | 9     | 4        |          | +        | ++               |          |                 |    |          | 140        | +               | +        | +       | <del> </del> | $\vdash$       | $\sqcup$  |          | _        |
|                 |          |          | _        | Н        | $\vdash\vdash$ | $\vdash$       |                 | +             | +       | -     | -           |       |          |          | +        | +                | +        | $\dashv$        |    |          | 141        |                 |          | +       | $\vdash$     | $\vdash$       |           |          | $\dashv$ |
|                 | 42<br>43 | _        | -        | $\vdash$ | $\vdash$       |                |                 | -+            |         | -     | -           | 9     | 2        | $\dashv$ | +        | ┼-               | ++       | +               |    |          | 142        | $\dashv$        | +        | +       | $\vdash$     | $\vdash$       |           | $\dashv$ | $\dashv$ |
|                 | 43       |          | _        | -        | $\vdash$       | $\vdash$       | -               |               |         | -     | -           | 9     | ٥        | +        | +        | +-+              | +        | -+-             |    |          | 143        | $\dashv$        | +        | +-      | <del> </del> | $\vdash$       | $\dashv$  | +        | -        |
| $\vdash$        | 44       |          | -        | $\vdash$ | $\vdash$       | $\vdash$       |                 |               | +       | -     | $\vdash$    | 9     |          | +        | +        | +-+              | +        | $\dashv$        |    |          | 144        | $\dashv$        |          | +       | <u> </u>     | $\vdash\vdash$ |           | $\dashv$ | $\dashv$ |
| $\vdash$        | 46       |          | -        |          |                | -              |                 | -+            | +       | -     | -           | 9     | 2        | ++       |          | 1                |          | +               |    |          | 145<br>146 |                 |          | +       | <u> </u>     | $\vdash$       |           |          | $\dashv$ |
| $\vdash$        | 46       |          |          |          |                | $\vdash$       |                 | +             | +       | -     | -           | 9     |          | $\dashv$ | +        | +                | +        | -+              |    |          |            | $\dashv$        | +        | +-      | <u> </u>     | $\vdash\dashv$ | $\dashv$  | $\dashv$ |          |
| $\vdash$        | 47       | _        | $\dashv$ | -        | $\vdash$       | $\vdash$       |                 |               | +       | -     | $\vdash$    | 9     |          | ++       | -        | +                |          | +               |    |          | 147<br>148 | $\dashv$        | -        | +-      | ┼            | $\vdash$       | $\dashv$  |          | $\dashv$ |
| $\vdash$        | 49       |          |          | -        |                |                |                 |               | +       | -     | -           | 9     | 9        | ++       |          | ╁┼               | +        | +               |    | -        | 148        | $\dashv$        | $\dashv$ | +       | _            | $\vdash$       |           |          | $\dashv$ |
| $\vdash \dashv$ | 50       | -        | $\dashv$ | -        | $\vdash$       | $\vdash$       | $\dashv$        | +             | +       | 1     | $\vdash$    | 1/    | 10       | +        | +        | +                |          | $\dashv \dashv$ |    |          | 150        | +               | $\dashv$ | +       | -            | $\vdash$       |           | -1       | $\dashv$ |
|                 | 30       |          |          |          |                |                |                 |               |         | ∷ا_   | :           |       | IU       |          |          | $\perp \perp$    |          |                 | ΗĘ |          | 100        |                 |          |         | 1            |                |           | 1        |          |